

WHAT IS CLAIMED IS:

5 1. Mold cooling System for glasswar forming machines of multipl individual forming sections, characterized in that comprising an cooling apparatus per each section of each machine, coupled to the frame of th section.

2. The system in accordance with claim 1, characterized in that th cooling apparatus is a fan driven by a motor comprising a control system which controls the speed of the motor, by which the flow of air is varied saving electric energy.

10 3. The system in accordance with claim 1, characterized in that the control system includes a sensor to determine the temperature of the mold, so that the control system is carried out in a close loop to control the inverter in order to varying the speed of the motor of the cooling apparatus and consequently the flow and pressure of the cooling air and finally the
15 temperature which is the variable of the process.

4. The system in accordance with claim 3, characterized in that th sensor to determine the temperature of the mold, it is an optic sensor, an infrared sensor, or a thermocouple, by which the temperature of the mold is determined.

20 5. The system in accordance with claim 1, characterized in that the cooling apparatus comprises an air pre-cooling system in order to increase the heat extraction capacity of the cooling air, consequently decreasing th amount of the cooling air, which in turn allows to lower the speed of the inverter, and consequently obtaining a greater saving in the consumption of energy.

6. The system in accordance with claim 5, characterized in that the pre-cooling system consists of a water cooler or a honeycomb with cold water at the suction or discharge of air of the cooling apparatus.

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